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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/043,926	01/11/2002	Timo Rantalainen	874.0103.U1(US)	9260
29683	7590	04/28/2005	EXAMINER	
HARRINGTON & SMITH, LLP			DOAN, KIET M	
4 RESEARCH DRIVE			ART UNIT	
SHELTON, CT 06484-6212			PAPER NUMBER	

2683

DATE MAILED: 04/28/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/043,926

Applicant(s)

RANTALAINEN, TIMO

Examiner

Kiet Doan

Art Unit

2683

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 December 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 January 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

This office action is response to Amendment filed on 12/29/2004.

Response to Arguments

Applicant's arguments with respect to claims 1-28 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. **Claims 1-28** are rejected under 35 U.S.C. 103(a) as being unpatentable over Demetrescu et al. (Patent No. 6,647,262) in view of Lee et al. (Pub. No. 2002/0150084 A1).

Consider **claims 1 and 15**, Demetrescu teaches a method/a wireless communication system for operating a mobile station in cooperation with a network operator (Abstract, Fig.1, Illustrate mobile station No.32 and controller No.30), comprising: upon an occurrence of a RR procedure, including HO and CRS, that affects the mobile station (C2, L10-24). Demetrescu teach the limitation of claim **but fail to teach** determining if a location procedure is ongoing in the mobile station; and if it is, completing the location procedure and reporting measurement results in a message from the mobile station to a target radio network controller.

In an analogous art, Lee et al. teaches "Core network separation structure and signal processing method thereof in mobile communication system". Further, Lee teaches determining if a location procedure is ongoing in the mobile station; and if it is, completing the location procedure and reporting measurement results in a message from the mobile station to a target radio network controller (Page 5, Paragraph 82, Page 6, Paragraphs 83-85).

Therefore, it would have been obvious at the time that the invention was made that person having ordinary skill in the art to modify Demetrescu and Lee system, such that a mobile station in cooperation with a network that handover/handoff reselect cell and reporting measurement results in a message, to provide means for uninterrupted during handover/handoff.

Consider **claims 2 and 16**, Lee teaches a method wherein the location procedure is executed during a Combined Hard Handover and SRNS Relocation procedure for at least one of a PS or a CS domain, and applies to both intra-SGSN/MSC SRNS relocation and inter-SGSN/MSC and SRNS relocation (Page 1, Paragraph 14).

Consider **claims 3 and 17**, Lee teaches a method wherein the location procedure is executed during a Combined Cell/URA/GRA Update and SRNS Relocation procedure for a PS domain, and applies to both intra-SGSN SRNS relocation and for inter-SGSN SRNS relocation (Page 1, Paragraph 12).

Consider **claims 4 and 18**, Lee teaches a method further comprising sending LCS parameters from a source RNC/BSC to a target RNC/BSC (Page 5, Paragraph 82, Fig.5).

Consider **claim 5 and 9**, Lee teaches a method wherein the LCS parameters are sent in a transparent manner (Page 5, Paragraphs 81-82).

Consider **claims 6 and 20**, Lee teaches a method wherein for a UTRAN case the LCS parameters are sent in a Source RNC to Target RNC Transparent Container in a Relocation Required message (Page 4, Paragraph 71-72, Page 5, Paragraph 82).

Consider **claims 7 and 21**, Lee teaches a method further comprising sending LCS parameters from a source RNC/BSC to a target RNC/BSC in a Relocation Commit message (Page 5, Paragraph 82, Page 5, Paragraph 87).

Consider **claims 8 and 22**, Lee teaches a method further comprising sending LCS parameters to the target RNC in a Forward SRNS Context message (Page 4, paragraph 73-74, Page 5, Paragraph 75-76).

Consider **claims 9-12 and 23-26**, Lee teaches a method where the LCS parameters comprise at least one of: a requested location accuracy; a requested location response time; details pertaining to a currently ongoing location process (Page

5, Paragraph 82, Page 5, Paragraphs 83-84); and a GMLC address (Page 1, Paragraph 14, Page 2, Paragraphs 40-47).

Consider **claims 13 and 27**, Lee teaches a method wherein the message is sent before sending a UTRAN Mobility Information Confirm message from the mobile station to the target RNC/BSC (Page 3, Paragraphs 50-51, Page 4, Paragraph 71).

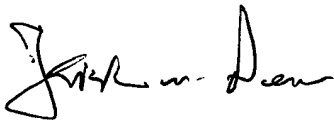
Consider **claims 14 and 28**, Lee teaches a method wherein the message is sent after sending a UTRAN Mobility Information Confirm message from the mobile station to the target RNC/BSC (Page 3, Paragraphs 50-51, Page 4, Paragraph 72).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kiet Doan whose telephone number is 571-272-7863. The examiner can normally be reached on 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 571-272-7872. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Kiet doan
Patent Examiner



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